

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081022\
 Data File : BG054586.D
 Acq On : 10 Aug 2022 13:22
 Operator : CG/JU
 Sample : N4063-04DL 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P-5DDL

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 08/11/2022
 Supervised By :Jagrut Upadhyay 08/11/2022

Quant Time: Aug 10 14:25:48 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 08 14:48:51 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.971	152	24508	20.000	ng	0.00
21) Naphthalene-d8	10.779	136	92037	20.000	ng	# 0.00
39) Acenaphthene-d10	14.616	164	68264	20.000	ng	0.00
64) Phenanthrene-d10	17.360	188	162454	20.000	ng	# 0.00
76) Chrysene-d12	21.631	240	189054	20.000	ng	# 0.00
86) Perylene-d12	24.839	264	199806	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.562	112	27065	23.057	ng	0.00
7) Phenol-d6	7.183	99	35631	22.153	ng	0.00
23) Nitrobenzene-d5	9.140	82	24055	14.233	ng	0.00
42) 2,4,6-Tribromophenol	16.108	330	26907	18.773	ng	0.00
45) 2-Fluorobiphenyl	13.229	172	69887	14.442	ng	0.00
79) Terphenyl-d14	19.968	244	140916	14.787	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.340	152	61087	10.519	ng	100
78) Pyrene	19.780	202	382125	35.226	ng	97
81) Benzo(a)anthracene	21.608	228	41242	3.437	ng	# 82
83) Chrysene	21.649	228	88815	7.833	ng	# 63
87) Indeno(1,2,3-cd)pyrene	28.529	276	141230m	9.291	ng	
88) Benzo(b)fluoranthene	23.817	252	201515m	17.054	ng	
89) Benzo(k)fluoranthene	23.881	252	53548m	4.553	ng	
90) Benzo(a)pyrene	24.686	252	226918m	22.487	ng	
91) Dibenzo(a,h)anthracene	28.535	278	38391	3.072	ng	95
92) Benzo(g,h,i)perylene	29.675	276	157000	12.727	ng	# 92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

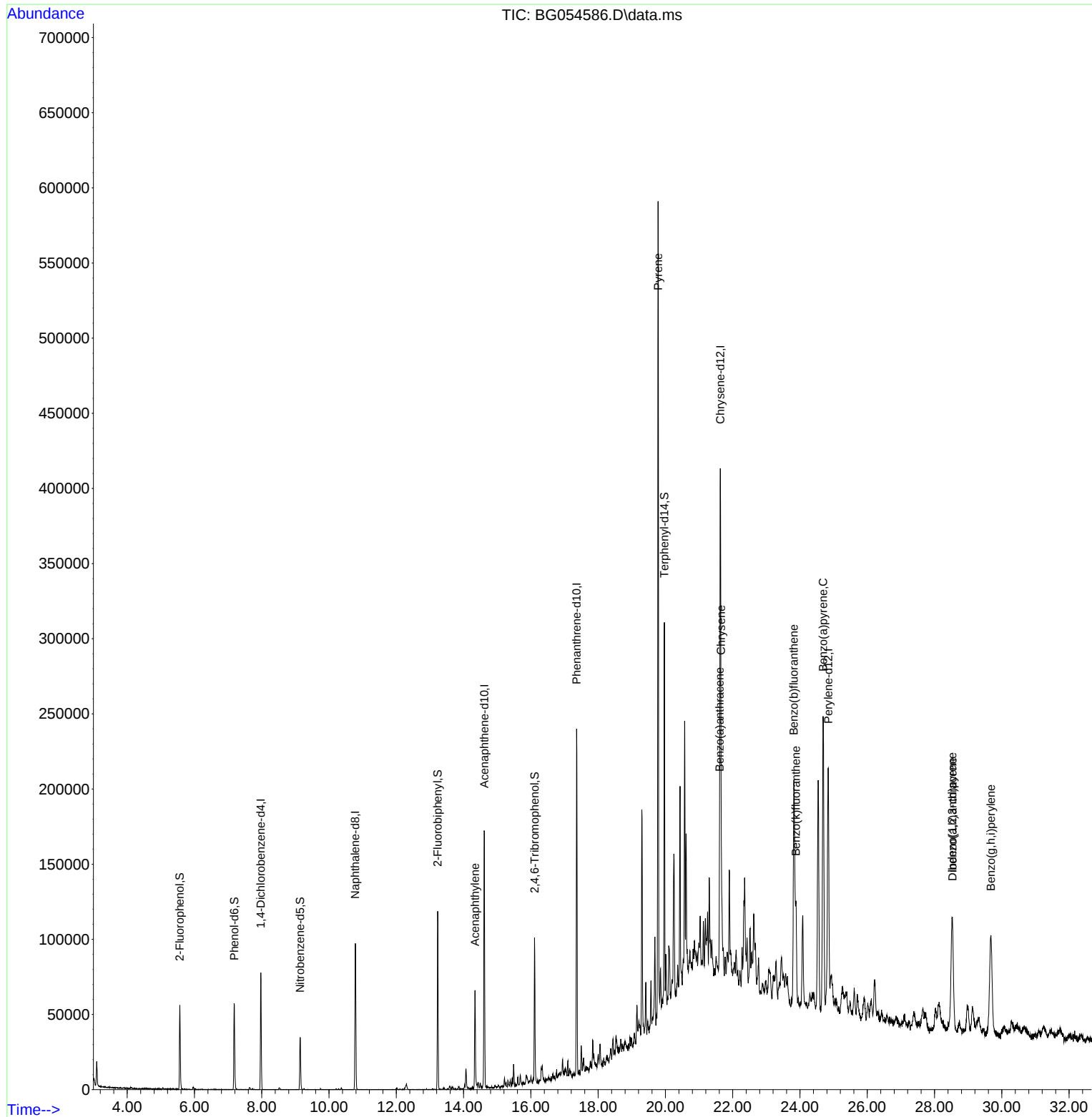
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081022\
Data File : BG054586.D
Acq On : 10 Aug 2022 13:22
Operator : CG/JU
Sample : N4063-04DL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

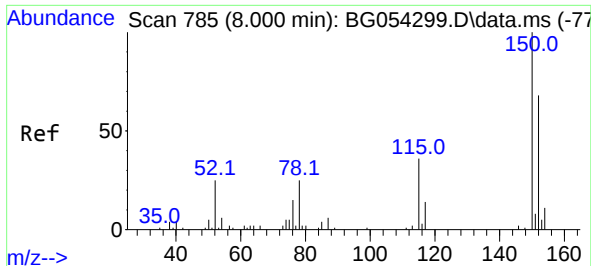
Instrument :
BNA_G
ClientSampleId :
P-5DDL

Quant Time: Aug 10 14:25:48 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 08 14:48:51 2022
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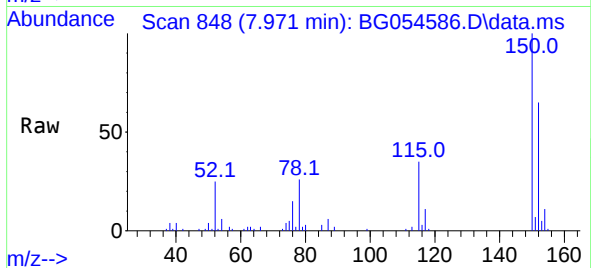
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.971 min Scan# 84
Delta R.T. -0.001 min
Lab File: BG054586.D
Acq: 10 Aug 2022 13:22

Instrument :

BNA_G

ClientSampleId :

P-5DDL

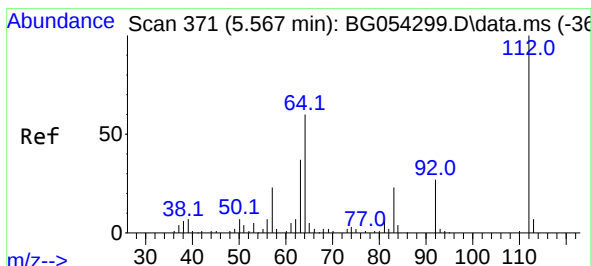
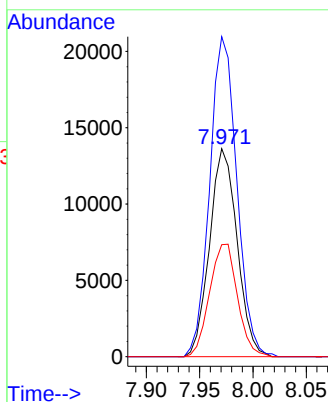
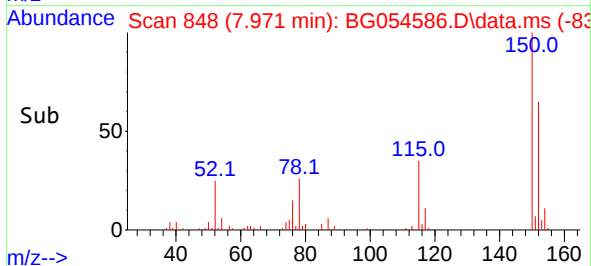


Tgt Ion:152 Resp: 24508
Ion Ratio Lower Upper
152 100
150 153.8 131.6 197.4
115 53.9 50.9 76.3

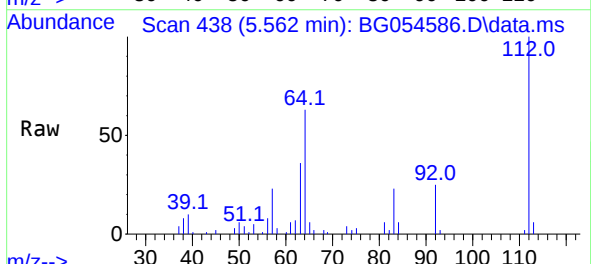
Manual Integrations

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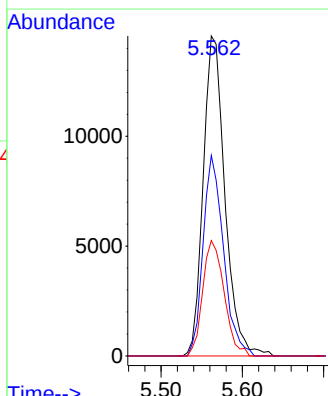
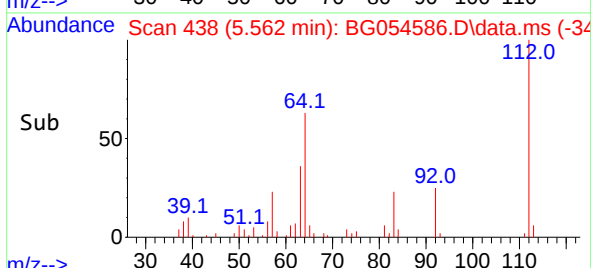
Reviewed By :Christian Giraldo 08/11/2022
Supervised By :Jagrut Upadhyay 08/11/2022

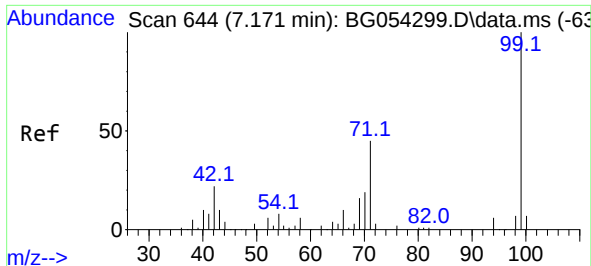


#5
2-Fluorophenol
Concen: 23.057 ng
RT: 5.562 min Scan# 438
Delta R.T. -0.002 min
Lab File: BG054586.D
Acq: 10 Aug 2022 13:22



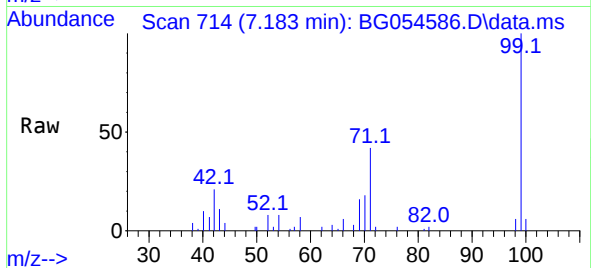
Tgt Ion:112 Resp: 27065
Ion Ratio Lower Upper
112 100
64 62.7 55.1 82.7
63 36.0 30.4 45.6





#7
Phenol-d6
Concen: 22.153 ng
RT: 7.183 min Scan# 71
Delta R.T. 0.004 min
Lab File: BG054586.D
Acq: 10 Aug 2022 13:22

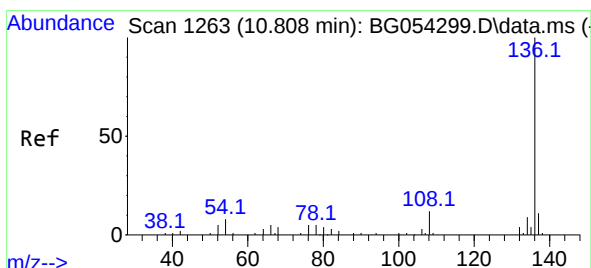
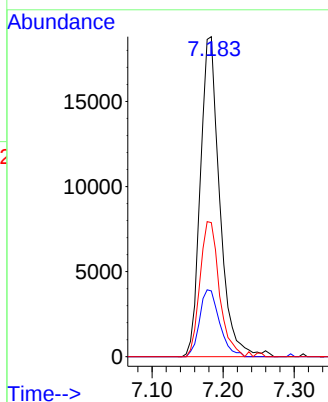
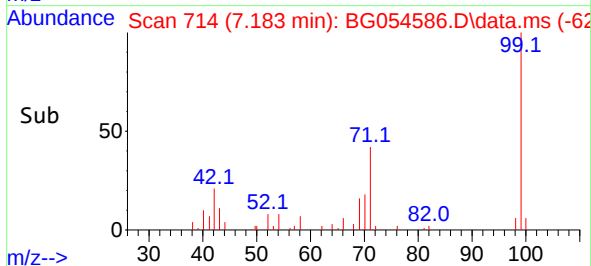
Instrument :
BNA_G
ClientSampleId :
P-5DDL



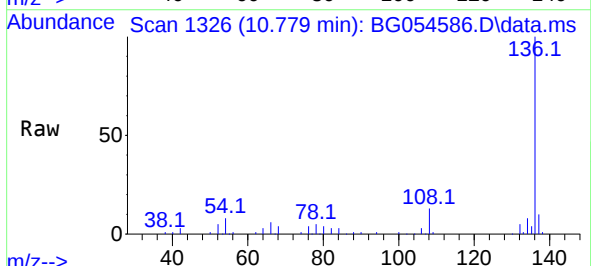
Tgt Ion: 99 Resp: 3563
Ion Ratio Lower Upper
99 100
42 20.5 17.0 25.6
71 41.9 33.8 50.8

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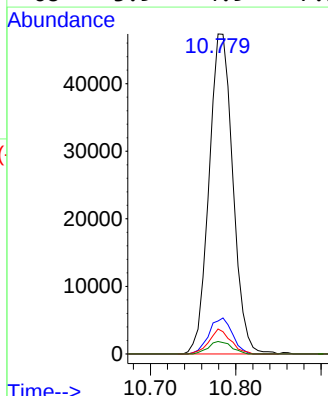
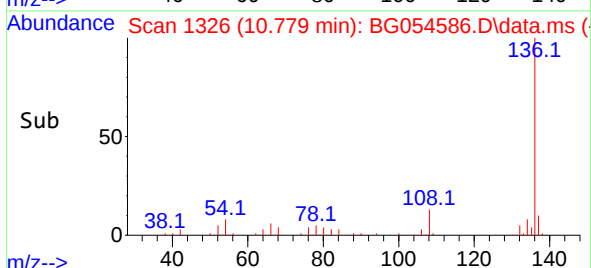
Reviewed By :Christian Giraldo 08/11/2022
Supervised By :Jagrut Upadhyay 08/11/2022

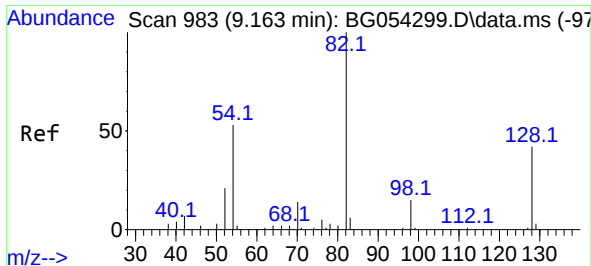


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.779 min Scan# 1326
Delta R.T. -0.008 min
Lab File: BG054586.D
Acq: 10 Aug 2022 13:22



Tgt Ion:136 Resp: 92037
Ion Ratio Lower Upper
136 100
137 10.3 8.5 12.7
54 7.8 7.4 11.2
68 3.9 4.9 7.3





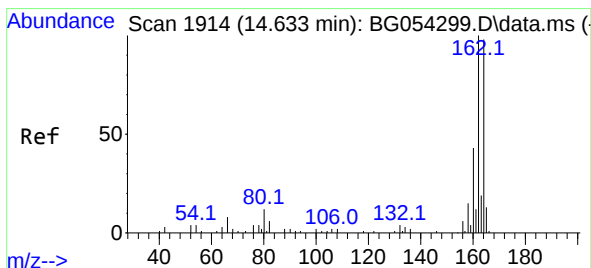
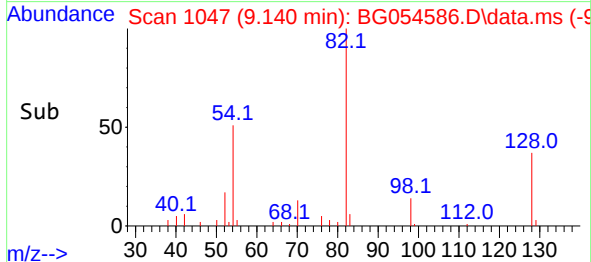
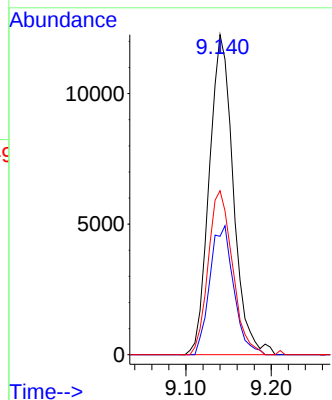
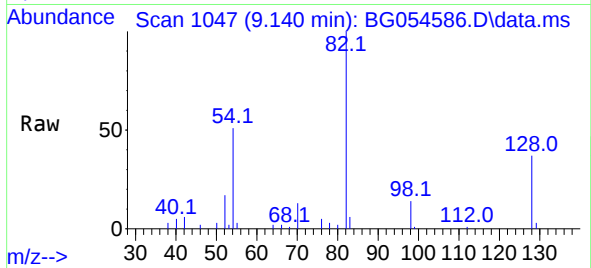
#23
Nitrobenzene-d5
Concen: 14.233 ng
RT: 9.140 min Scan# 1047
Delta R.T. -0.002 min
Lab File: BG054586.D
Acq: 10 Aug 2022 13:22

Instrument :
BNA_G
ClientSampleId :
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Tgt Ion: 82 Resp: 2405
Ion Ratio Lower Upper
82 100
128 37.0 27.9 41.9
54 51.2 41.2 61.8

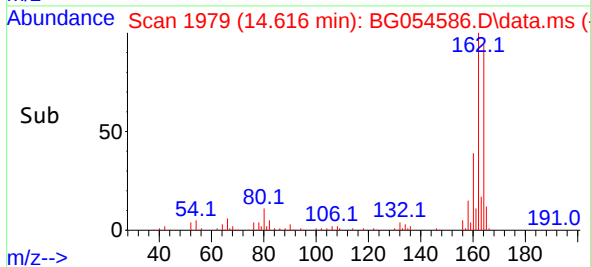
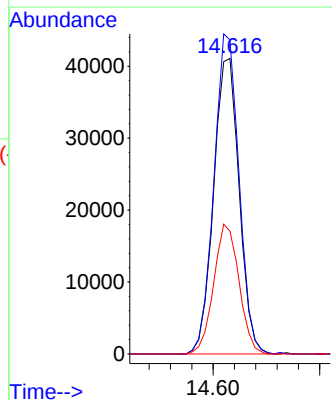
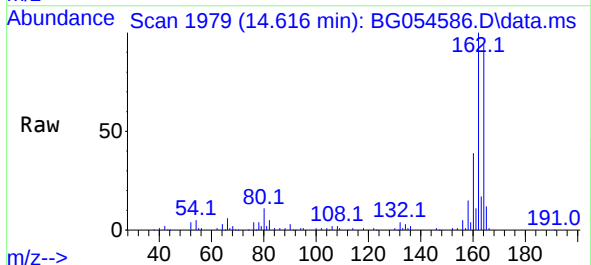
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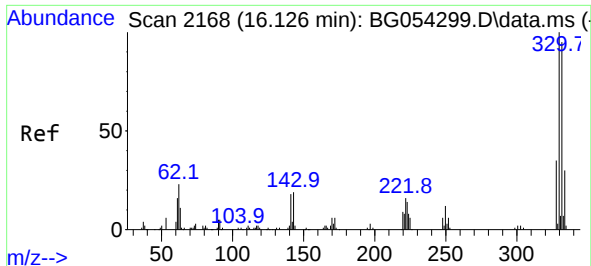
Reviewed By :Christian Giraldo 08/11/2022
Supervised By :Jagrut Upadhyay 08/11/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.616 min Scan# 1979
Delta R.T. -0.002 min
Lab File: BG054586.D
Acq: 10 Aug 2022 13:22

Tgt Ion:164 Resp: 68264
Ion Ratio Lower Upper
164 100
162 106.2 82.3 123.5
160 41.5 34.2 51.2





#42
2,4,6-Tribromophenol
Concen: 18.773 ng
RT: 16.108 min Scan# 2168
Delta R.T. -0.008 min
Lab File: BG054586.D
Acq: 10 Aug 2022 13:22

Instrument :

BNA_G

ClientSampleId :

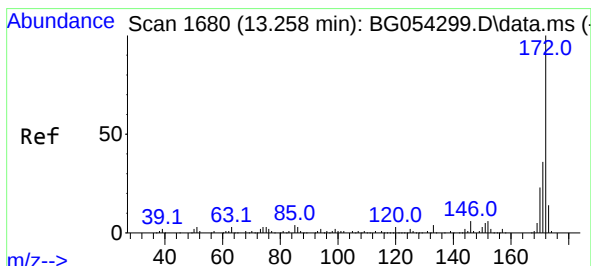
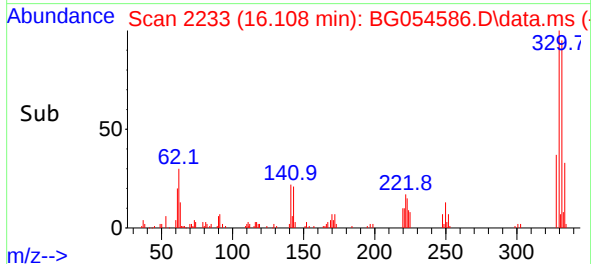
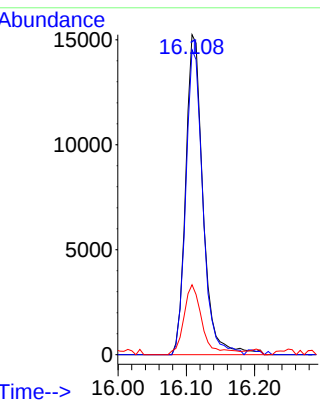
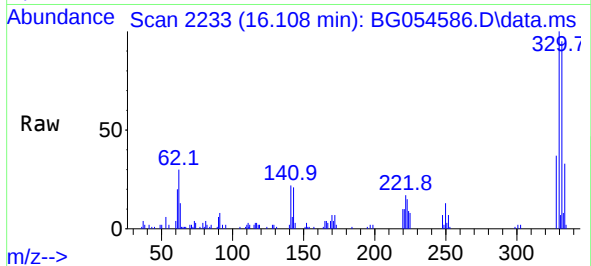
P-5DDL

Tgt Ion:330 Resp: 2690
Ion Ratio Lower Upper
330 100
332 93.8 76.0 114.0
141 23.3 27.1 40.7

Manual Integrations

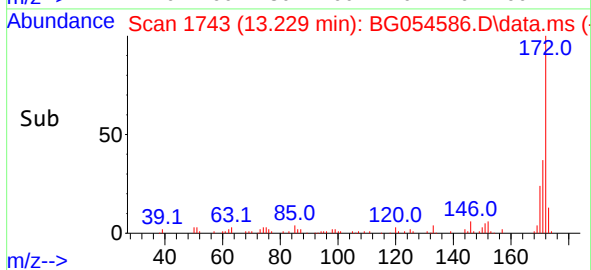
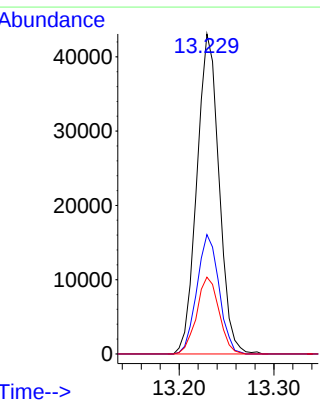
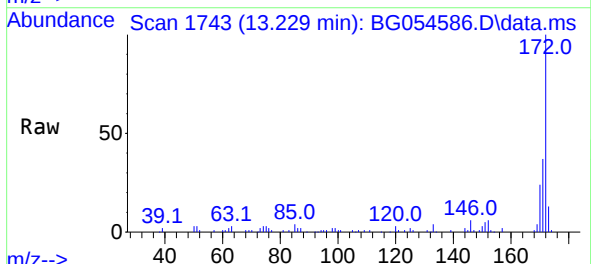
APPROVED

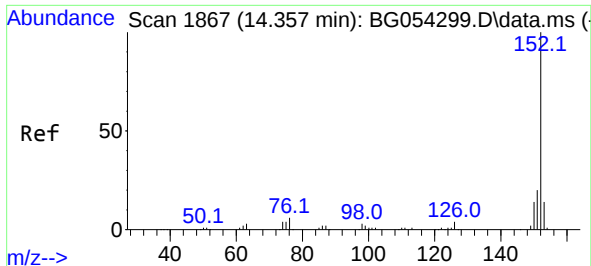
Reviewed By :Christian Giraldo 08/11/2022
Supervised By :Jagrut Upadhyay 08/11/2022



#45
2-Fluorobiphenyl
Concen: 14.442 ng
RT: 13.229 min Scan# 1743
Delta R.T. -0.007 min
Lab File: BG054586.D
Acq: 10 Aug 2022 13:22

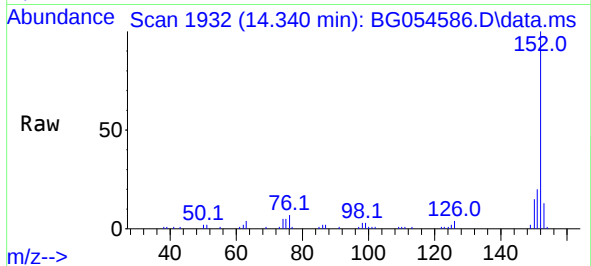
Tgt Ion:172 Resp: 69887
Ion Ratio Lower Upper
172 100
171 37.3 28.5 42.7
170 24.0 18.9 28.3





#49
Acenaphthylene
Concen: 10.519 ng
RT: 14.340 min Scan# 1932
Delta R.T. -0.002 min
Lab File: BG054586.D
Acq: 10 Aug 2022 13:22

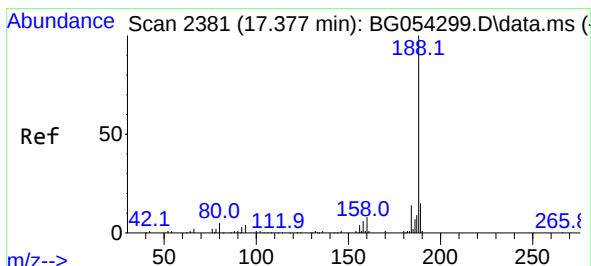
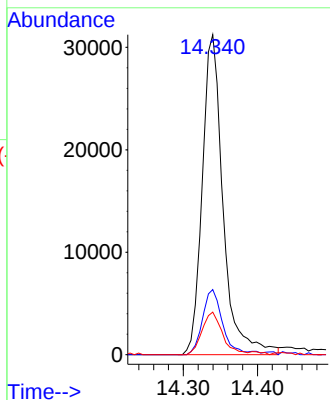
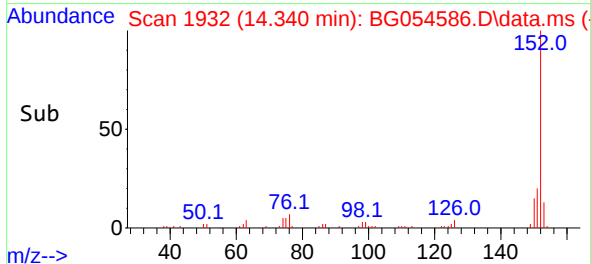
Instrument :
BNA_G
ClientSampleId :
P-5DDL



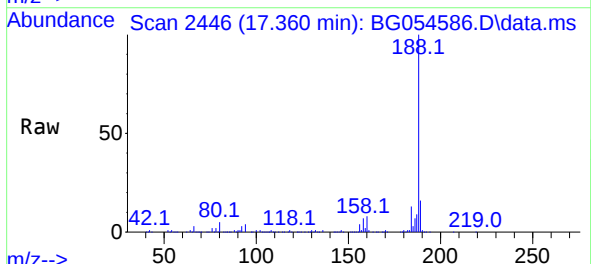
Tgt Ion:152 Resp: 6108
Ion Ratio Lower Upper
152 100
151 20.3 16.4 24.6
153 13.3 10.8 16.2

Manual Integrations
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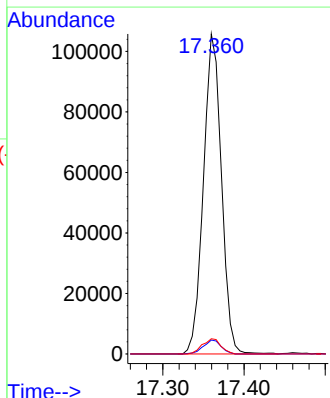
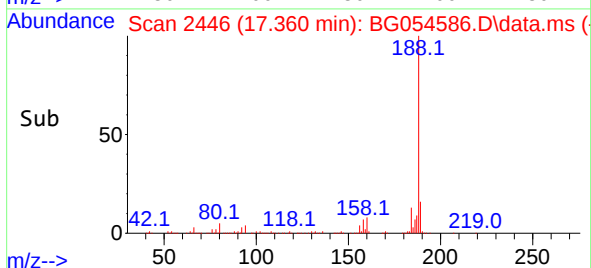
Reviewed By :Christian Giraldo 08/11/2022
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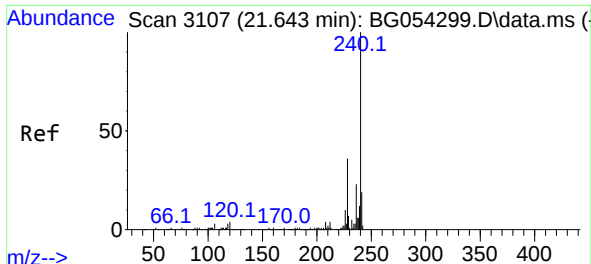


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.360 min Scan# 2446
Delta R.T. -0.002 min
Lab File: BG054586.D
Acq: 10 Aug 2022 13:22



Tgt Ion:188 Resp: 162454
Ion Ratio Lower Upper
188 100
94 4.4 5.4 8.0#
80 4.8 6.8 10.2#





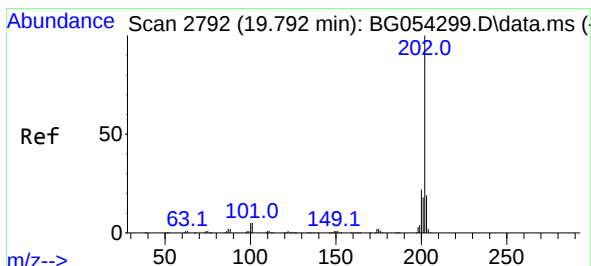
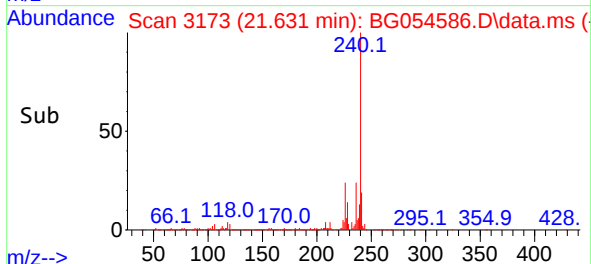
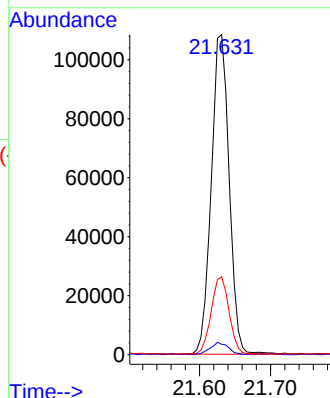
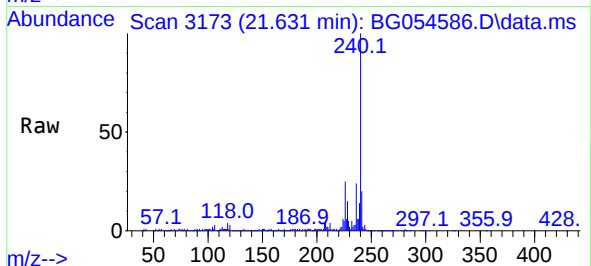
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.631 min Scan# 3107
Delta R.T. -0.002 min
Lab File: BG054586.D
Acq: 10 Aug 2022 13:22

Instrument :
BNA_G
ClientSampleId :
P-5DDL

Tgt Ion:240 Resp: 189054
Ion Ratio Lower Upper
240 100
120 3.3 4.6 7.0
236 24.4 20.2 30.4

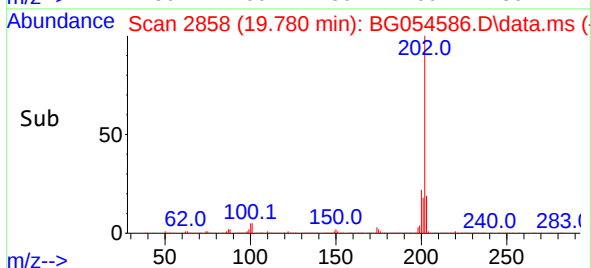
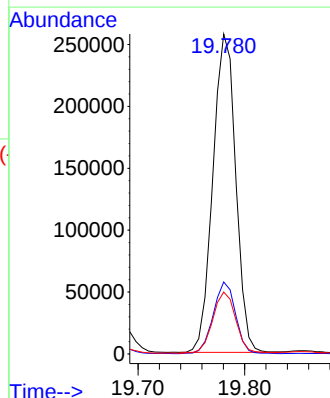
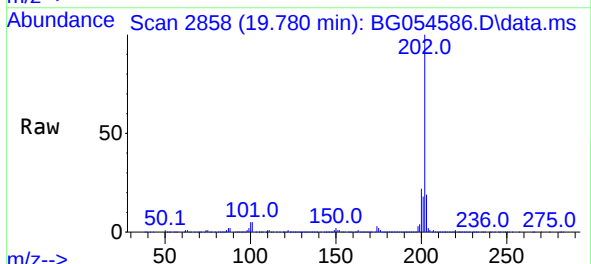
Manual Integrations
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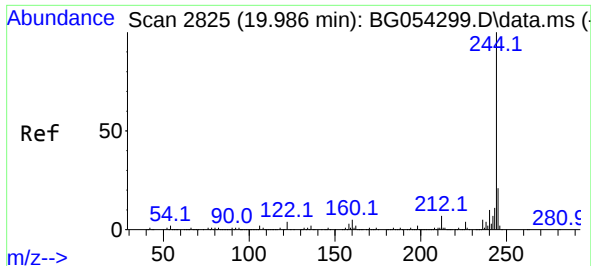
Reviewed By :Christian Giraldo 08/11/2022
Supervised By :Jagrut Upadhyay 08/11/2022



#78
Pyrene
Concen: 35.226 ng
RT: 19.780 min Scan# 2858
Delta R.T. -0.002 min
Lab File: BG054586.D
Acq: 10 Aug 2022 13:22

Tgt Ion:202 Resp: 382125
Ion Ratio Lower Upper
202 100
200 22.5 16.6 24.8
203 19.4 14.6 21.8





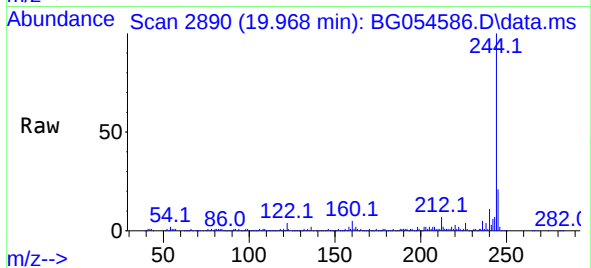
#79
 Terphenyl-d14
 Concen: 14.787 ng
 RT: 19.968 min Scan# 2169
 Delta R.T. -0.002 min
 Lab File: BG054586.D
 Acq: 10 Aug 2022 13:22

Instrument :

BNA_G

ClientSampleId :

P-5DDL

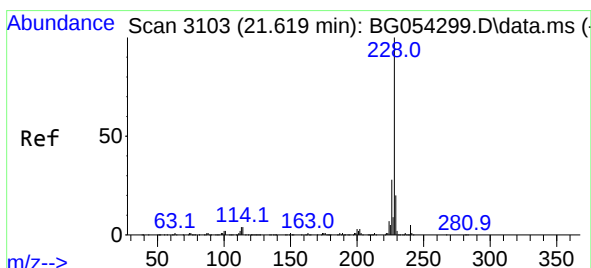
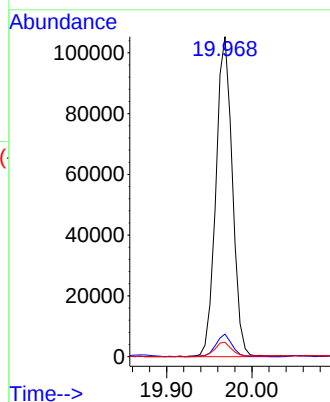
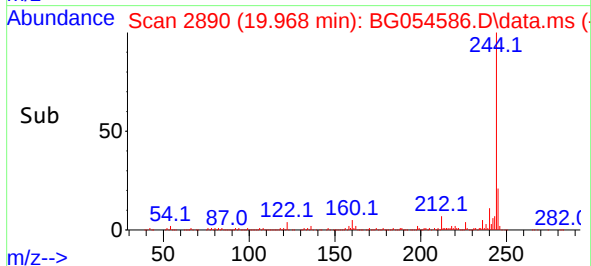


Tgt Ion:244 Resp: 140910
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.5 9.7
 122 4.5 5.0 7.4

Manual Integrations

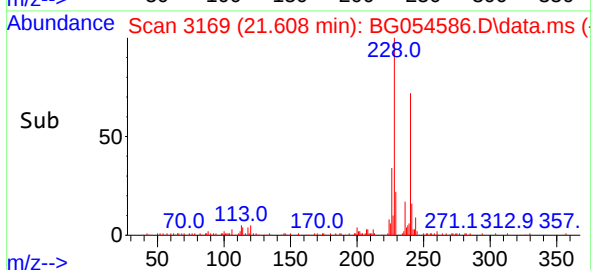
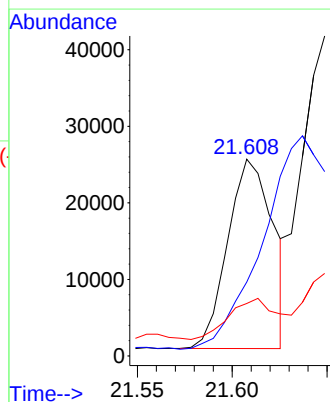
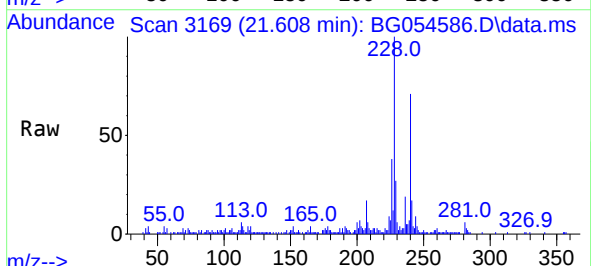
APPROVED

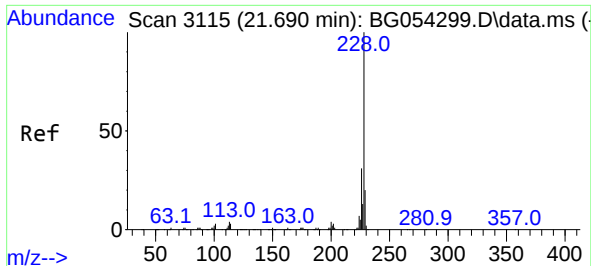
Reviewed By :Christian Giraldo 08/11/2022
 Supervised By :Jagrut Upadhyay 08/11/2022



#81
 Benzo(a)anthracene
 Concen: 3.437 ng
 RT: 21.608 min Scan# 3169
 Delta R.T. -0.008 min
 Lab File: BG054586.D
 Acq: 10 Aug 2022 13:22

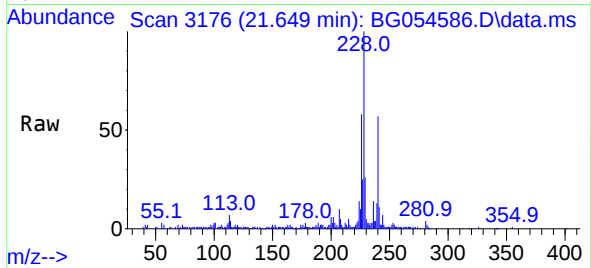
Tgt Ion:228 Resp: 41242
 Ion Ratio Lower Upper
 228 100
 226 37.6 21.6 32.4#
 229 26.7 16.2 24.2#





#83
Chrysene
Concen: 7.833 ng
RT: 21.649 min Scan# 3115
Delta R.T. -0.031 min
Lab File: BG054586.D
Acq: 10 Aug 2022 13:22

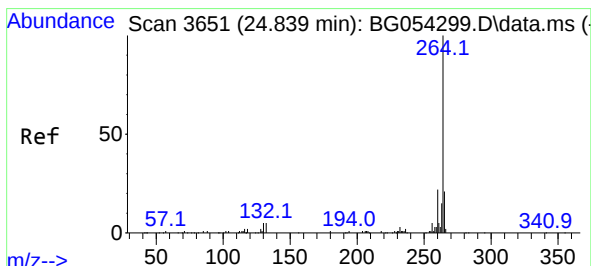
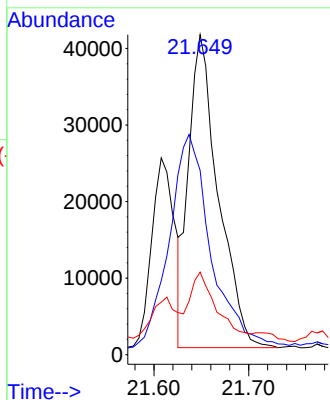
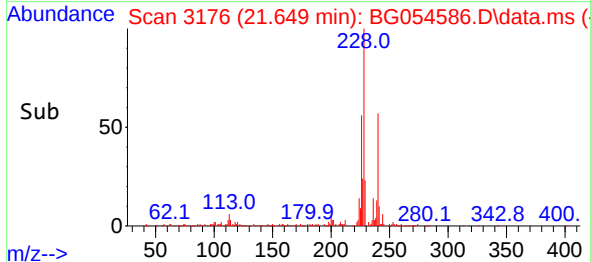
Instrument :
BNA_G
ClientSampleId :
P-5DDL



Tgt Ion:228 Resp: 88815
Ion Ratio Lower Upper
228 100
226 57.6 23.4 35.2
229 25.8 15.5 23.3

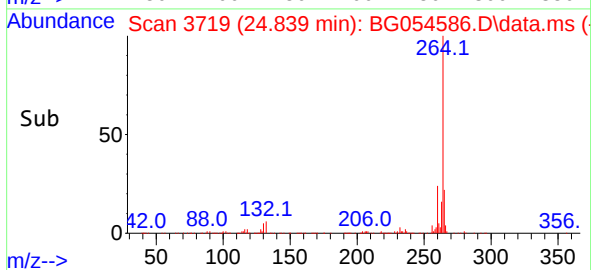
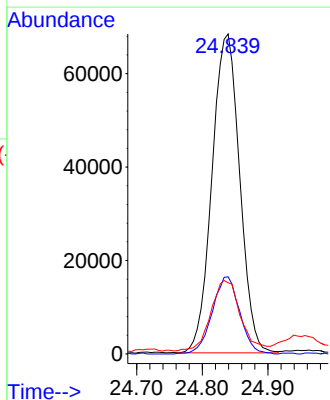
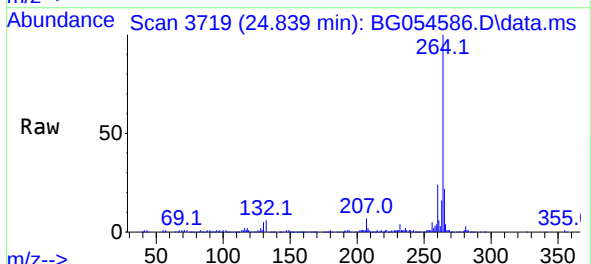
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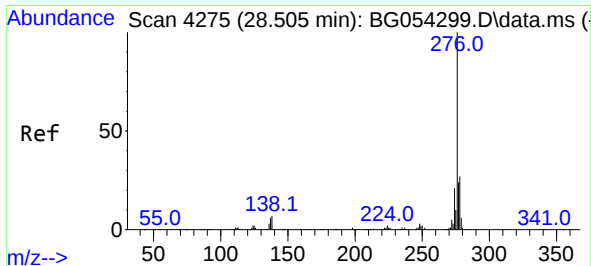
Reviewed By :Christian Giraldo 08/11/2022
Supervised By :Jagrut Upadhyay 08/11/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.839 min Scan# 3719
Delta R.T. 0.004 min
Lab File: BG054586.D
Acq: 10 Aug 2022 13:22

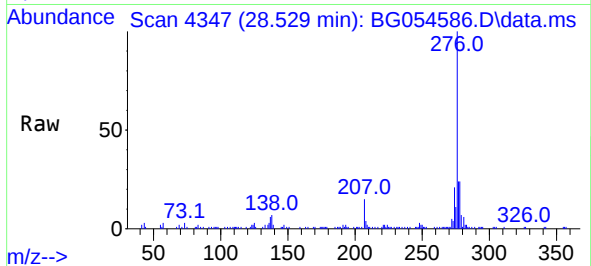
Tgt Ion:264 Resp: 199806
Ion Ratio Lower Upper
264 100
260 24.1 19.0 28.6
265 22.2 17.4 26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 9.291 ng m
RT: 28.529 min Scan# 41
Delta R.T. -0.002 min
Lab File: BG054586.D
Acq: 10 Aug 2022 13:22

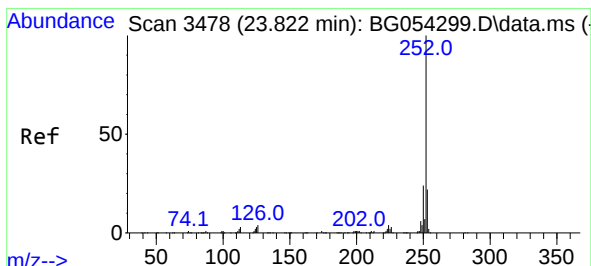
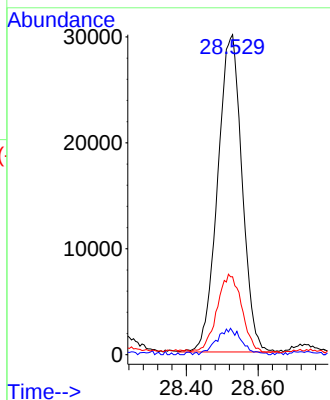
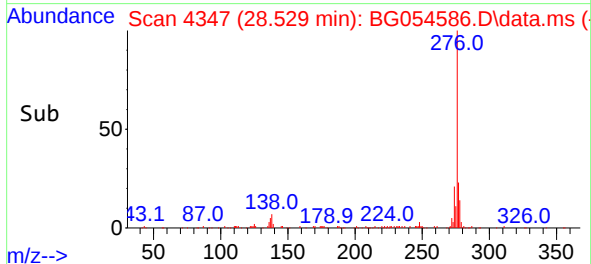
Instrument :
BNA_G
ClientSampleId :
P-5DDL



Tgt Ion:276 Resp: 141230
Ion Ratio Lower Upper
276 100
138 0.4 5.0 7.4
277 1.3 20.3 30.5

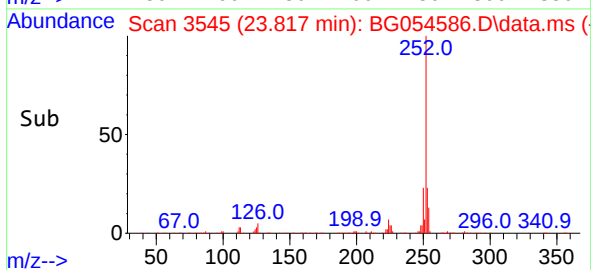
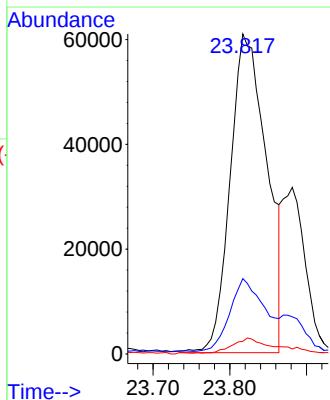
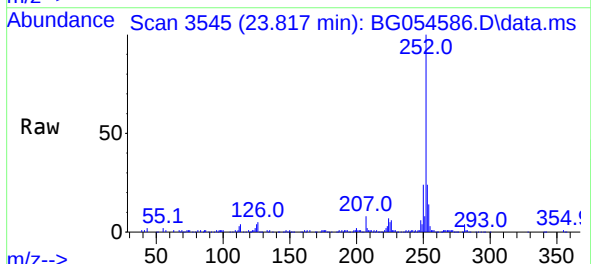
Manual Integrations
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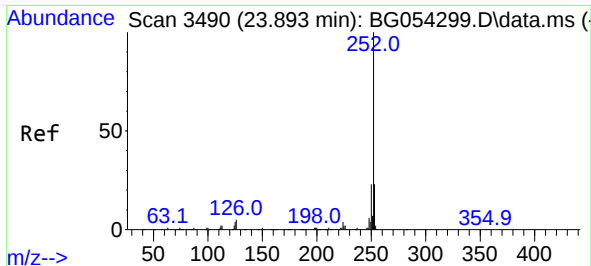
Reviewed By :Christian Giraldo 08/11/2022
Supervised By :Jagrut Upadhyay 08/11/2022



#88
Benzo(b)fluoranthene
Concen: 17.054 ng m
RT: 23.817 min Scan# 3545
Delta R.T. -0.002 min
Lab File: BG054586.D
Acq: 10 Aug 2022 13:22

Tgt Ion:252 Resp: 201515
Ion Ratio Lower Upper
252 100
253 23.6 18.0 27.0
125 3.9 4.6 6.8





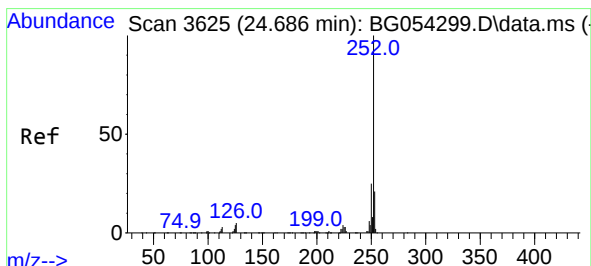
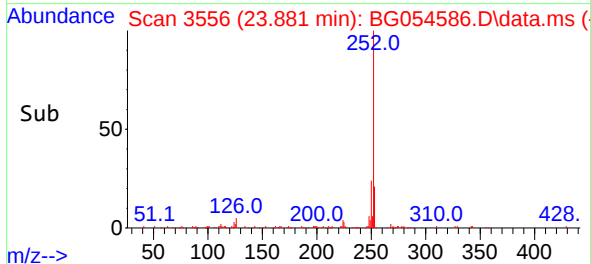
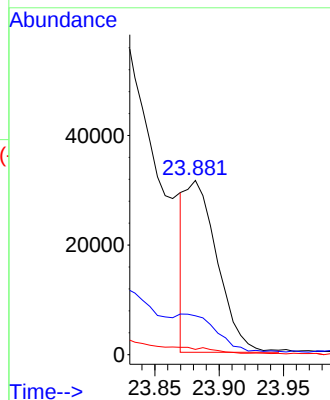
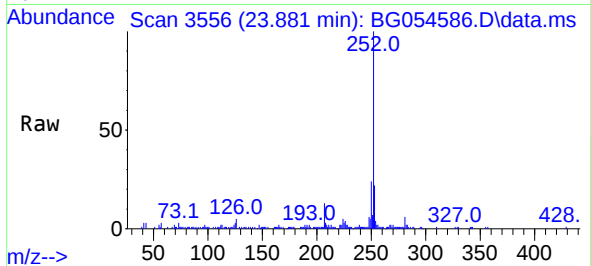
#89
Benzo(k)fluoranthene
Concen: 4.553 ng m
RT: 23.881 min Scan# 31
Delta R.T. -0.002 min
Lab File: BG054586.D
Acq: 10 Aug 2022 13:22

Instrument :
BNA_G
ClientSampleId :
P-5DDL

Tgt Ion:252 Resp: 5354
Ion Ratio Lower Upper
252 100
253 22.3 18.4 27.6
125 3.0 4.8 7.2

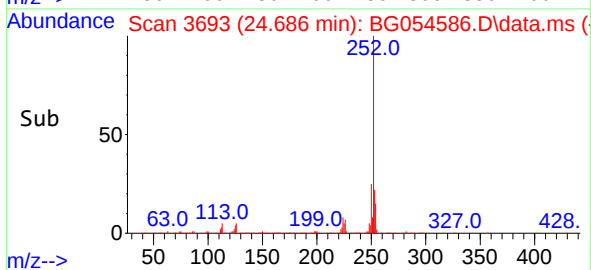
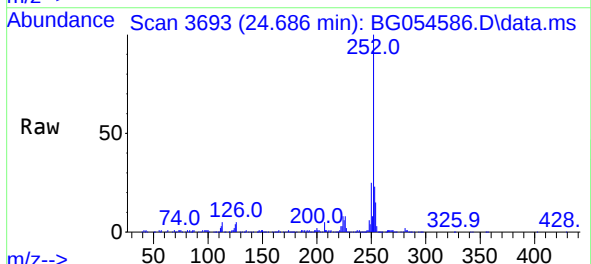
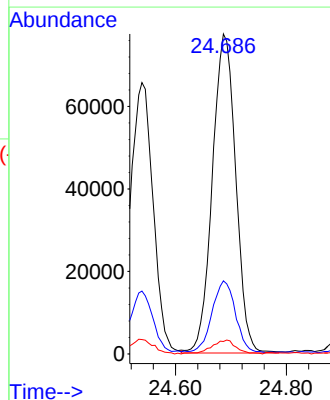
Manual Integrations
APPROVED

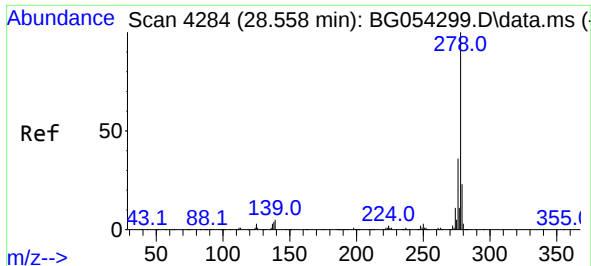
Reviewed By :Christian Giraldo 08/11/2022
Supervised By :Jagrut Upadhyay 08/11/2022



#90
Benzo(a)pyrene
Concen: 22.487 ng m
RT: 24.686 min Scan# 3693
Delta R.T. -0.002 min
Lab File: BG054586.D
Acq: 10 Aug 2022 13:22

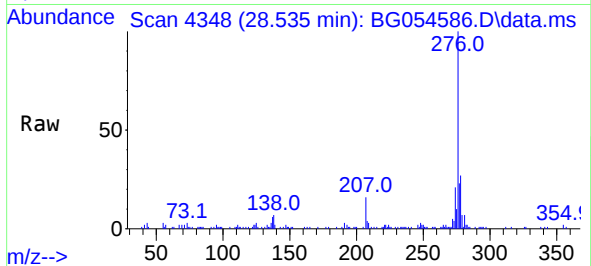
Tgt Ion:252 Resp: 226918
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.8
125 3.9 4.3 6.5





#91
Dibenzo(a,h)anthracene
Concen: 3.072 ng
RT: 28.535 min Scan# 41
Delta R.T. -0.037 min
Lab File: BG054586.D
Acq: 10 Aug 2022 13:22

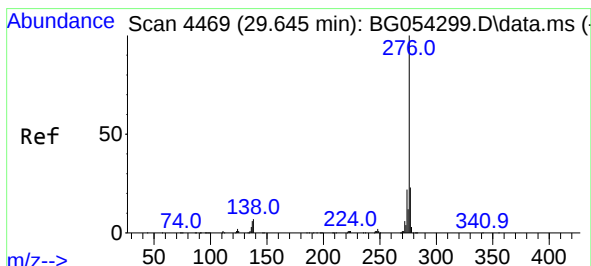
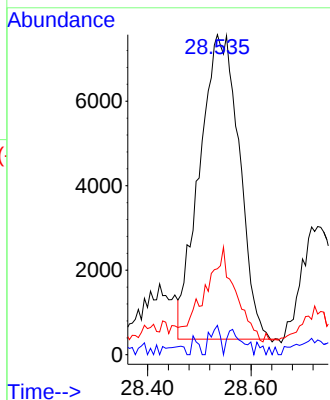
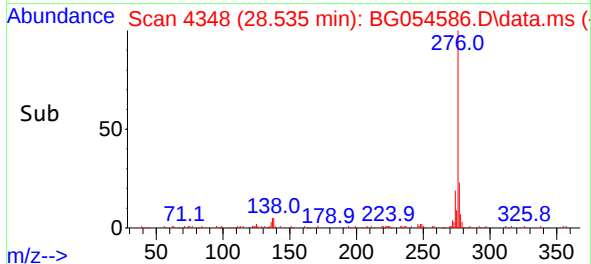
Instrument :
BNA_G
ClientSampleId :
P-5DDL



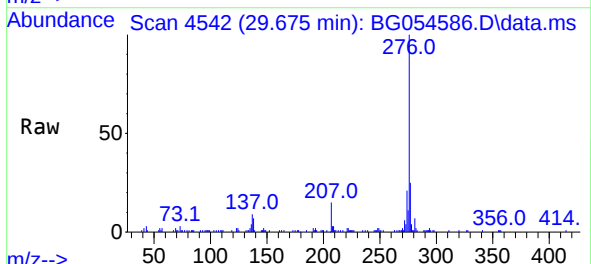
Tgt Ion:278 Resp: 3839
Ion Ratio Lower Upper
278 100
139 9.1 7.2 10.8
279 26.8 18.6 27.8

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 08/11/2022
Supervised By :Jagrut Upadhyay 08/11/2022



#92
Benzo(g,h,i)perylene
Concen: 12.727 ng
RT: 29.675 min Scan# 4542
Delta R.T. -0.002 min
Lab File: BG054586.D
Acq: 10 Aug 2022 13:22



Tgt Ion:276 Resp: 157000
Ion Ratio Lower Upper
276 100
277 24.6 17.3 25.9
138 7.5 9.6 14.4#

